Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Canceled)
- 2. (Original) A coating material for a thermal barrier coating having excellent corrosion resistance and heat resistance comprising a substrate, an undercoat made of an aluminum-containing heat-resistant alloy, Al₂O₃ layer produced on the surface of the undercoat by preferentially oxidizing Al in the components of the undercoat in the presence of Cr₂O₃ layer and Cr₂O₃ layer formed thereon as a middle layer on the undercoat, and a top coat made of ZrO₂ based ceramic.
- 3. (Currently Amended) A coating material for a thermal barrier coating according to claim ± 2 , wherein the Cr_2O_3 layer as a middle layer is a chemical densified film having a thickness of 0.2-10 μm .
- 4. (Original) A coating material for a thermal barrier coating according to claim 2, wherein the Al_2O_3 layer has a thickness of 1-30 μm .
- 5. (Currently Amended) A coating material for a thermal barrier coating according to claim $\frac{1}{2}$, wherein the undercoat is a heat-resistant alloy having an Al content of 3-24 mass% and represented by the following chemical formula:

MCrAlX

wherein M: one or more selected from Co, Ni and Fe,

X: one or more selected from Y, Hf, Ta, Cs, Ce, La, Th, W, Si, Pt, Mn and B.

- 6. (Currently Amended) A coating material for a thermal barrier coating according to claim ± 2 , wherein the undercoat is one formed by a spraying process or an electron beam deposition process at a thickness of 30-500 μ m.
- 7. (Currently Amended) A coating material for a thermal barrier coating according to claim 1 2, wherein the top coat is a ZrO₂ based ceramic coating containing 5-40 mass% of at least one oxide selected from Y₂O₃, CaO, CeO₂, MgO, SiO₂, Yb₂O₃ and Sc₂O₃ and formed by a spraying process or an electron beam deposition process at a thickness of 50-600 µm.
- 8. (Withdrawn) A method of producing a coating material for a thermal barrier coating having excellent corrosion resistance and heat resistance, which comprises forming an undercoat made of a heat-resistant alloy having an Al content of 3-24 mass% on a surface of a substrate through spraying process or an electron beam deposition process, forming a middle layer of Cr₂O₃ layer having a thickness of 0.2-10 μm by repeating a procedure of applying an aqueous mixed solution of one or more of chromic anhydride, ammonium chromate and ammonium bichromate and firing under heating at 500-900 K for 1-5 hours one time or plural times, and forming a top coat of ZrO₂ based ceramic on the middle layer through a spraying process or an electron beam deposition process.
- 9. (Withdrawn) A method of producing a coating material for thermal barrier coating having excellent corrosion resistance and heat resistance, which comprises forming an undercoat made of a heat-resistant alloy having an Al content of 3-24 mass% on a surface of a substrate through spraying process or an electron beam deposition process, forming a middle layer of Cr₂O₃ layer having a thickness of 0.2-10 μm by repeating a procedure of applying an aqueous mixed solution of one or more of chromic anhydride, ammonium chromate and ammonium bichromate and firing under heating at 500-900 K for 1-5 hours one time or plural times, heating

in an atmosphere or under vacuum or in an inert gas atmosphere at 1200-1500 K for 1-20 hours to form an Al_2O_3 layer produced through preferential oxidation reaction of Al contained in the under coat on the surface of the undercoat just beneath Cr_2O_3 layer as a part of the middle layer, and forming a top coat of ZrO_2 based ceramic on the middle layer.

- 10. (Previously Presented) A coating material for a thermal barrier coating according to claim 2, wherein the Cr₂O₃ layer as a middle layer is a chemical densified film having a thickness of 0.2-10 μm obtained by applying an aqueous solution of one or more selected from chromic anhydride, ammonium chromate and ammonium bichromate and firing it.
- 11. (Previously Presented) A coating material for a thermal barrier coating according to claim 2, wherein the undercoat is a heat-resistant alloy having an Al content of 3-24 mass% and represented by the following chemical formula:

MCrAlX

wherein M: one or more selected from Co, Ni and Fe,

X: one or more selected from Y, Hf, Ta, Cs, Ce, La, Th, W, Si, Pt, Mn and B.

- 12. (Previously Presented) A coating material for a thermal barrier coating according to claim 2, wherein the undercoat is one formed by a spraying process or an electron beam deposition process at a thickness of 30-500 μm.
- 13. (Previously Presented) A coating material for a thermal barrier coating according to claim 2, wherein the top coat is a ZrO₂ based ceramic coating containing 5-40 mass% of at least one oxide selected from Y₂O₃, CaO, CeO₂, MgO, SiO₂, Yb₂O₃ and Sc₂O₃ and formed by a spraying process or an electron beam deposition process at a thickness of 50-600 μm.